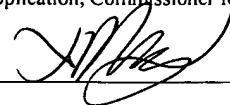


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: WIKSWO et al.  
 Docket: 60063.8USWO  
 Title: DEVICE AND METHODS FOR MONITORING THE STATUS OF AT LEAST ONE CELL

031481 U.S. PTO  
 10/755639  
 011204

CERTIFICATE UNDER 37 CFR 1.10 'Express Mail' mailing label number: EV 408495524 US Date of Deposit: JANUARY 12, 2004 I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  By:  Name:
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Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:


- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 90 pgs; 74 claims; Abstract 1 pgs.  
 The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 41 sheets of formal drawings
- ☒ Small entity status is claimed pursuant to 37 CFR 1.27
- ☒ An unsigned Combined Declaration and Power of Attorney
- ☒ Assignment of the invention to Vanderbilt University, Recordation Form Cover Sheet
- ☒ A check in the amount of \$1247.00 to cover the Filing Fee
- ☒ A check for \$40.00 to cover the Assignment Recording Fee.
- ☒ Information Disclosure Statement, Form 1449, 1 reference(s).
- ☒ Amend the specification by inserting before the first sentence:  
 This application claims the benefit of Provisional Application No. 60/310652, filed 6 August 2001, which is incorporated by reference herein in its entirety.
- ☒ Application Data Sheet, 4 pages.
- ☒ Other: International Publication Page of WO 03/052375 A2, Preliminary Amendment, Form PCT/IPEA/416, Form PCT/IPEA/409, Form PCT/ISA/220, Form PCT/ISA/210, Form PCT/IB/308, Form PCT/IB/304.
- ☒ Return postcard

**CLAIMS AS FILED**

Number of Claims Filed		In Excess of:		Number Extra		Rate		Fee
<b>Basic Filing Fee</b>								\$460.00
<b>Total Claims</b>								
74	-	20	=	54	x	9.00	=	\$486.00
<b>Independent Claims</b>								
10	-	3	=	7	x	43.00	=	\$301.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
<b>TOTAL FILING FEE</b>								<b>\$1247.00</b>

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
 P.O. Box 2903, Minneapolis, MN 55402-0903  
 (612) 332-5300

By:   
 Name: Tim Xia  
 Reg. No.: 45,242  
 Initials: TX:nel

(PTO TRANSMITTAL - NEW FILING)

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

60063.8USWO

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

UNKNOWN

INTERNATIONAL APPLICATION NO.

PCT/US02/24911

INTERNATIONAL FILING DATE

6 AUGUST 2002

PRIORITY DATE CLAIMED

6 AUGUST 2001

TITLE OF INVENTION

DEVICE AND METHODS FOR MONITORING THE STATUS OF AT LEAST ONE CELL

APPLICANT(S) FOR DO/EO/US

WIKSWO et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: Application Data Sheet (4 pages), International Publication Page of WO 03/052375 A2, Form PCT/IPEA/416, Form PCT/IPEA/409, Form PCT/ISA/220, Form PCT/ISA/210, Form 1449, 1 reference, Form PCT/IB/308, Form PCT/IB/304.

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>UNKNOWN</b>	INTERNATIONAL APPLICATION NO. <b>PCT/US02/24911</b>	ATTORNEY'S DOCKET NUMBER <b>60063.8USWO</b>
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17. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b> Search Report has been prepared by the EPO or JPO..... <b>\$920.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1))..... <b>\$730.00</b>  No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... <b>\$770.00</b>  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(3)) paid to USPTO..... <b>\$1080.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... <b>\$100.00</b>	<b>CALCULATIONS</b> PTO USE ONLY												
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>	<b>\$920.00</b>												
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	<b>\$0.00</b>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 15%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>74      -20 =</td> <td>54</td> <td>X <b>\$18.00</b></td> </tr> <tr> <td>Independent claims</td> <td>10      -3 =</td> <td>7</td> <td>X <b>\$86.00</b></td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	74      -20 =	54	X <b>\$18.00</b>	Independent claims	10      -3 =	7	X <b>\$86.00</b>	<b>\$972.00</b>  <b>\$602.00</b>
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE										
Total claims	74      -20 =	54	X <b>\$18.00</b>										
Independent claims	10      -3 =	7	X <b>\$86.00</b>										
MULTIPLE DEPENDENT CLAIM(S) (if applicable)      + <b>\$290.00</b>	<b>\$0.00</b>												
<b>TOTAL OF ABOVE CALCULATIONS =</b>	<b>\$2494.00</b>												
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27	<b>\$1247.00</b>												
<b>SUBTOTAL =</b>	<b>\$1247.00</b>												
Processing fee of <b>\$130.00</b> for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).      +	<b>\$0.00</b>												
<b>TOTAL NATIONAL FEE =</b>	<b>\$1247.00</b>												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property      +	<b>\$40.00</b>												
<b>TOTAL FEES ENCLOSED =</b>	<b>\$1287.00</b>												
	Amount to be: refunded <b>\$0.00</b> charged <b>\$0.00</b>												


a. ☒ Check(s) in the amount of \$1287.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
     A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2725.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:  
 TIM XIA  
 MERCHANT & GOULD  
 P.O. Box 2903  
 Minneapolis, MN 55402-0903

SIGNATURE:   
 NAME: TIM XIA  
 REGISTRATION NUMBER: 45,242